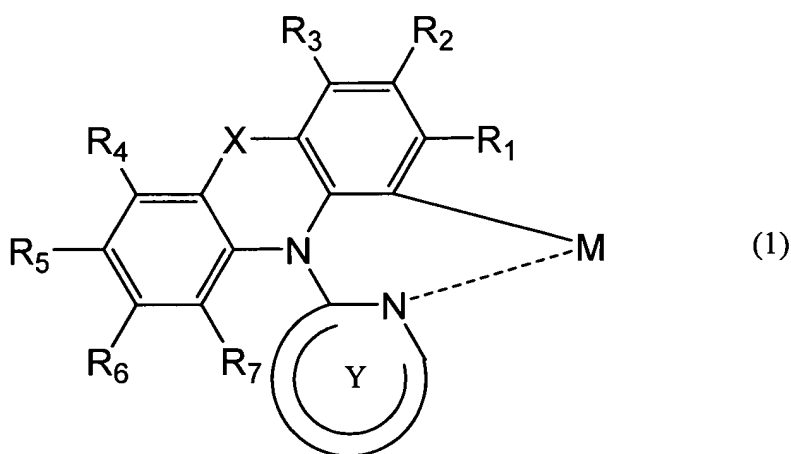


IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A light emission material comprising:
an organometal complex having a structure represented by the general formula (1):



wherein R1 to R7 respectively represent any one of a hydrogen atom, a halogen atom, a lower alkyl group, an alkoxyl group, an acyl group, a nitro group, a cyano group, an amino group, a dialkylamino group, a diarylamino group, a vinyl group, an aryl group, or a heterocyclic residue;

wherein X represents an oxygen atom or a sulfur atom;

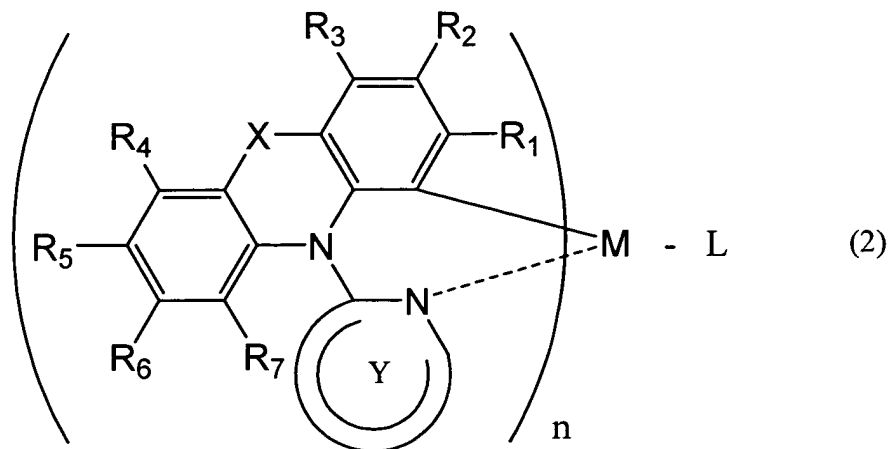
wherein Y represents a heterocyclic residue containing a nitrogen atom as a heteroatom;

and

wherein M represents a group IX atom or a group X atom.

2. (Previously Presented) A light emission material comprising:

an organometal complex having a structure represented by the general formula (2):



wherein R1 to R7 respectively represent any one of a hydrogen atom, a halogen atom, a lower alkyl group, an alkoxy group, an acyl group, a nitro group, a cyano group, an amino group, a dialkylamino group, a diarylamino group, a vinyl group, an aryl group, or a heterocyclic residue;

wherein X represents an oxygen atom or a sulfur atom;

wherein Y represents a heterocyclic residue containing a nitrogen atom as a heteroatom;

wherein M represents a group IX atom or a group X atom, and $n = 2$ when the M is the group IX atom, while $n = 1$ when the M is the group X atom; and

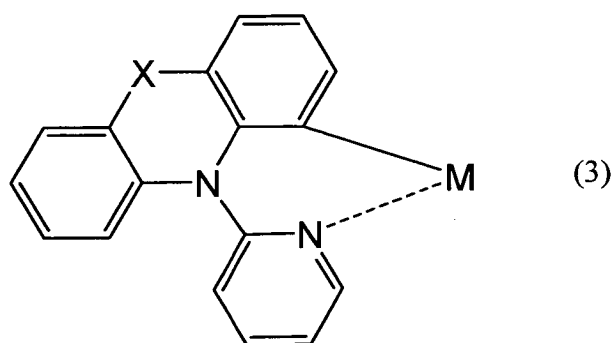
wherein L represents any one of a monoanionic bidentate chelate ligand having a beta-diketone structure, a monoanionic bidentate chelate ligand having a carboxyl group, or a monoanionic bidentate chelate ligand having a phenolic hydroxyl group.

3. (Previously Presented) The light emission material according to claim 1,

wherein the Y is a heterocyclic residue comprising a five-membered ring or a six-membered ring.

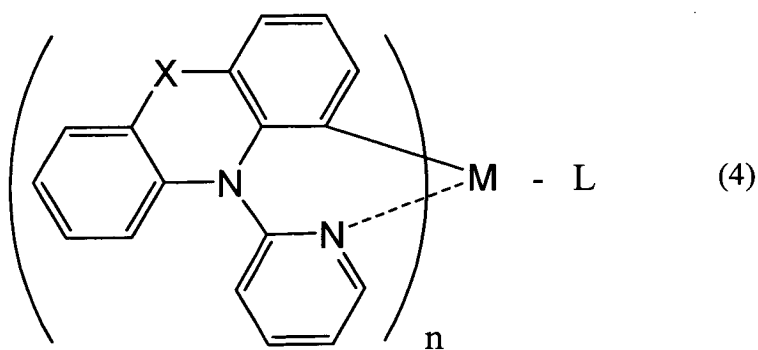
4. (Previously Presented) The light emission material according to claim 1,
wherein the Y is a 2-pyridyl group.

5. (Previously Presented) A light emission material comprising:
an organometal complex having a structure represented by the general formula (3),



wherein X represents an oxygen atom or a sulfur atom; and
wherein M represents a group IX atom or a group X atom.

6. (Previously Presented) A light emission material comprising:
an organometal complex having a structure represented by the general formula (4):



wherein X represents an oxygen atom or a sulfur atom;

wherein M represents a group IX atom or a group X atom, and $n = 2$ when the M is the group IX atom, while $n = 1$ when the M is the group X atom; and

wherein L represents any one of a monoanionic bidentate chelate ligand having a beta-diketone structure, a monoanionic bidentate chelate ligand having a carboxyl group, or a monoanionic bidentate chelate ligand having a phenolic hydroxyl group.

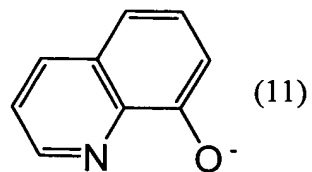
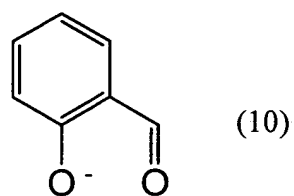
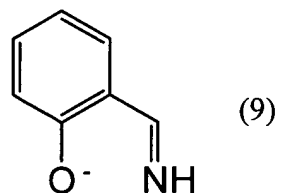
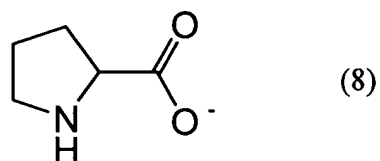
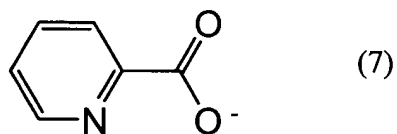
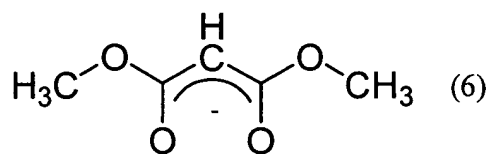
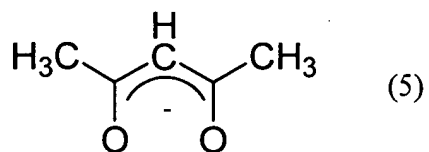
7. (Previously Presented) The light emission material according to claim 1, wherein the M is iridium or platinum.

8. (Previously Presented) The light emission material according to claim 2, wherein the M is iridium or platinum.

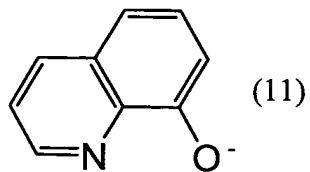
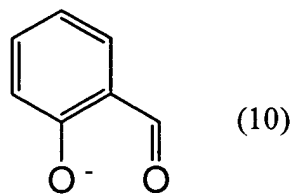
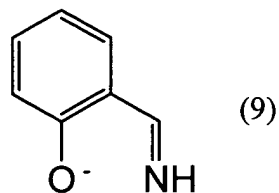
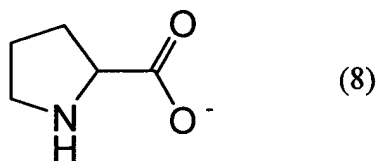
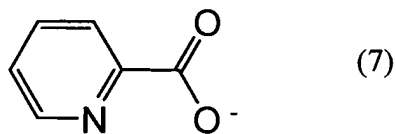
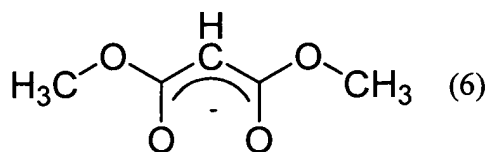
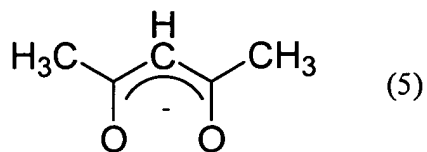
9. (Previously Presented) The light emission material according to claim 5, wherein the M is iridium or platinum.

10. (Previously Presented) The light emission material according to claim 6, wherein the M is iridium or platinum.

11. (Previously Presented) The light emission material according to claim 2, wherein the L is any one of monoanionic bidentate chelate ligands represented by the structural formulas (5) to (11)



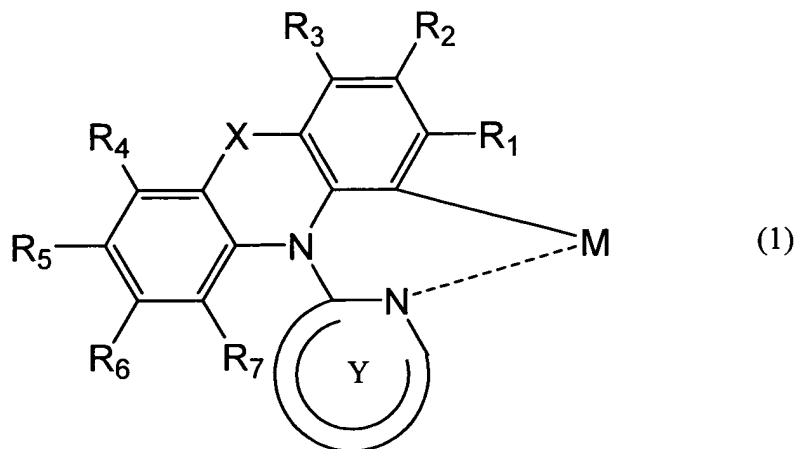
12. (Previously Presented) The light emission material according to claim 6,
 wherein the L is any one of monoanionic bidentate chelate ligands represented by the
 structural formulas (5) to (11)



13. (Currently Amended) The light emission material according to claim 1,
 wherein an electroluminescence element comprises the light emission material; and
 wherein the electroluminescence element is incorporated into an electronic
 appliance selected from the group consisting of a video camera, a digital camera, a goggle type
 display, a navigation system, an audio reproduction apparatus, a notebook type personal
 computer, a game machine, a personal digital assistant and an image reproduction apparatus
 having a recording medium.

14. (Previously Presented) A light emission material comprising:

an organometal complex having a structure represented by the general formula (1):



wherein each of pairs of R1 and R2, R2 and R3, R4 and R5, and R5 and R6 is combined into an aromatic ring;

wherein X represents an oxygen atom or a sulfur atom;

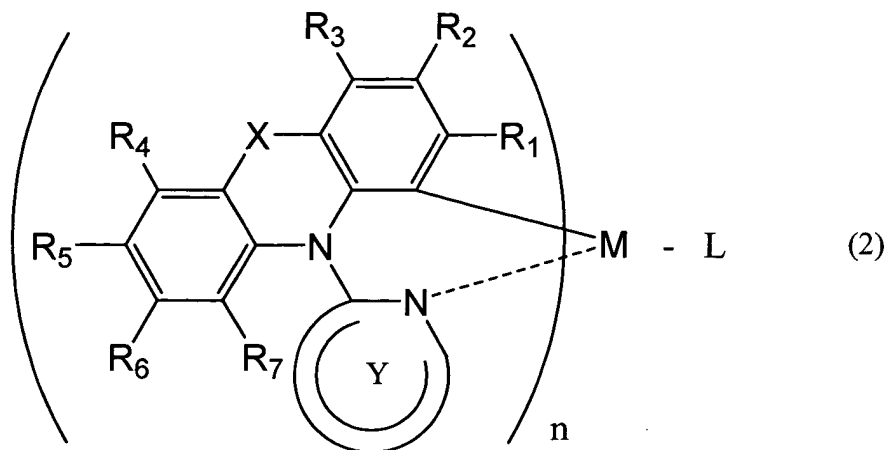
wherein Y represents a heterocyclic residue containing a nitrogen atom as a heteroatom;

and

wherein M represents a group IX atom or a group X atom.

15. (Previously Presented) A light emission material comprising:

an organometal complex having a structure represented by the general formula (2):



wherein each of pairs of R1 and R2, R2 and R3, R4 and R5, and R5 and R6 is combined into an aromatic ring;

wherein X represents an oxygen atom or a sulfur atom;

wherein Y represents a heterocyclic residue containing a nitrogen atom as a heteroatom;

wherein M represents a group IX atom or a group X atom, and $n = 2$ when the M is the group IX atom, while $n = 1$ when the M is the group X atom; and

wherein L represents any one of a monoanionic bidentate chelate ligand having a beta-diketone structure, a monoanionic bidentate chelate ligand having a carboxyl group, or a monoanionic bidentate chelate ligand having a phenolic hydroxyl group.

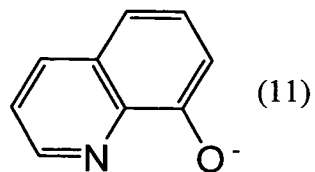
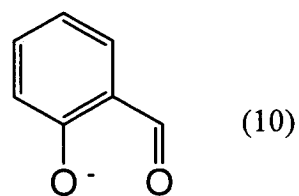
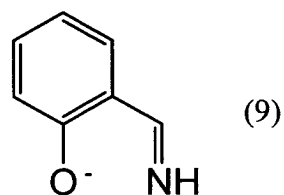
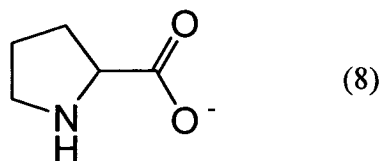
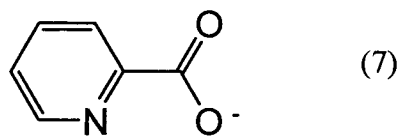
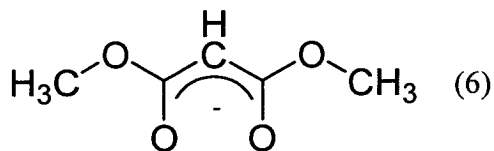
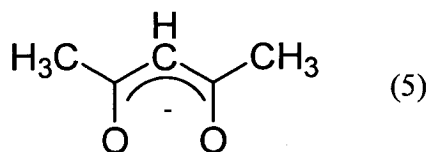
16. (Previously Presented) The light emission material according to claim 14,
wherein the Y is a heterocyclic residue comprising a five-membered ring or a six-membered ring.

17. (Previously Presented) The light emission material according to claim 14,
wherein the Y is a 2-pyridyl group.

18. (Previously Presented) The light emission material according to claim 14,
wherein the M is an iridium atom or a platinum atom.

19. (Previously Presented) The light emission material according to claim 15,
wherein the M is an iridium atom or a platinum atom.

20. (Previously Presented) The light emission material according to claim 15,
wherein the L is any one of monoanionic bidentate chelate ligands represented by the
structural formulas (5) to (11)



21. (Currently Amended) The light emission material according to claim 14,
wherein an electroluminescence element comprises the light emission material; and
wherein the electroluminescence element is incorporated into ~~[[the]]~~ an electronic
appliance selected from the group consisting of a video camera, a digital camera, a goggle type
display, a navigation system, an audio reproduction apparatus, a notebook type personal
computer, a game machine, a personal digital assistant and an image reproduction apparatus
having a recording medium.

22. (Previously Presented) The light emission material according to claim 2,
wherein the Y is a heterocyclic residue comprising a five-membered ring or a six-
membered ring.

23. (Previously Presented) The light emission material according to claim 2,
wherein the Y is a 2-pyridyl group.

24. (Currently Amended) The light emission material according to claim 2,
wherein an electroluminescence element comprises the light emission material; and
wherein the electroluminescence element is incorporated into ~~[[the]]~~ an electronic
appliance selected from the group consisting of a video camera, a digital camera, a goggle type
display, a navigation system, an audio reproduction apparatus, a notebook type personal
computer, a game machine, a personal digital assistant and an image reproduction apparatus
having a recording medium.

25. (Currently Amended) The light emission material according to claim 5,
wherein an electroluminescence element comprises the light emission material; and
wherein the electroluminescence element is incorporated into ~~[[the]]~~ an electronic
appliance selected from the group consisting of a video camera, a digital camera, a goggle type
display, a navigation system, an audio reproduction apparatus, a notebook type personal
computer, a game machine, a personal digital assistant and an image reproduction apparatus
having a recording medium.

26. (Currently Amended) The light emission material according to claim 6,
wherein an electroluminescence element comprises the light emission material; and
wherein the electroluminescence element is incorporated into ~~[[the]]~~ an electronic
appliance selected from the group consisting of a video camera, a digital camera, a goggle type
display, a navigation system, an audio reproduction apparatus, a notebook type personal
computer, a game machine, a personal digital assistant and an image reproduction apparatus
having a recording medium.

27. (Previously Presented) The light emission material according to claim 15,
wherein the Y is a heterocyclic residue comprising a five-membered ring or a six-
membered ring.

28. (Previously Presented) The light emission material according to claim 15,
wherein the Y is a 2-pyridyl group.

29. (Currently Amended) The light emission material according to claim 15,
wherein an electroluminescence element comprises the light emission material; and
wherein the electroluminescence element is incorporated into ~~[[the]]~~ an electronic
appliance selected from the group consisting of a video camera, a digital camera, a goggle type
display, a navigation system, an audio reproduction apparatus, a notebook type personal
computer, a game machine, a personal digital assistant and an image reproduction apparatus
having a recording medium.